

7 p.m. April 14

7:30 p.m. April 14

8:30 p.m. April 14

10:30 p.m. April 14

11:45 p.m. April 14



## April 12 Is Deadline For School Aid Bids

Information Available From Training Office

Friday, April 12, has been established as the deadline for qualified Y-12ers to apply for financial aid under the Union Carbide Nuclear Company Educational Assistance Plan for Spring Quarter courses. Y-12ers applying for such help must be salaried employees with more than six months of Company Service.

The financial aid is given for approved courses that will help an employee in his present job or in some other Company position. Such courses are offered by the University of Tennessee Graduate School, the university's Division of University Extension, the Oak Ridge Adult Education Program and some correspondence schools. The university classes are held in both Knoxville and Oak Ridge.

Complete information on requirements for applicants, benefits offered under the Educational Assistance Plan, details of courses and other data may be obtained from Ralph Pearson, Training Department, Bldg. 9704-2, telephone 7751. Applications must be approved by immediate and divisional supervision and the Y-12 Plant Superintendent.

## U.S. Production Multiplies 25 Times In Last Century

In the last 100 years the population of the United States has multiplied seven times and production has increased 25 times. Now there are more jobs per 1,000 population available today, with machines doing 94 per cent of the work, than there were in 1850, when only six per cent of the work was performed by machines.

Back in 1910 a motorist paid more than \$1 for every 100 miles of use by an automobile tire. Today more than 100 miles of tire use can be obtained for only 10 cents worth of tire.

## Surplus Property Sales Set For Saturday, March 23

The Union Carbide Nuclear Company warehouse on River Road will be open from 8 a.m. to 4 p.m. Saturday of this week, March 23, for retail sales of surplus property by the Property Sales Department. These sales now are being held twice monthly.

The April schedule calls for sales to be made on April 6 and April 27 at the same hours and place.

## 14th Round Of April Looms For Income Tax Laggards

Preview of T-D Eve Reveals Tribulations And Pitfalls Facing Last-Minute Figurers

It is presumed that most sensible (and aren't we all?) Y-12ers will have prepared—or begun to get ready to start—filling out their income tax returns for 1956 by this time.

HOWEVER, there may be some who haven't—and to them this story is directed. This preview of the night before Tax Day, April 15, is based on human nature and from information from the American Institute of Accountants, the national professional society of Certified Public Accountants and checked for accuracy by the Internal Revenue Service.

So, Mr. Ralph Y-12er, turn the calendar forward to the night of April 14—and read on—to learn all about Last Minute April Foolishness.

Now to figure up that old income tax!

In other words, Ralph, the fight is on: fight the form, fight the deadline and fight the temper. This is the night of April 14, and tomorrow is the deadline for filing your federal income tax return for 1956. You, like millions of other people, have succeeded in putting this matter off until you have all of one evening to rush through a job that might save you more money than you earn in a week.

"No, Alice, I'll not need your help this year. Too many cooks spoil the soup, you know. You sit right there and read your paper."

A typical year's spoilt soup included 1,000,000 returns filed without signatures—or with only one signature instead of the required two on a joint return. Also, arithmetic errors resulting in over-payment by taxpayers of more than \$19,000,000—not to mention an even larger amount of underpayments. Uncle Sam, who checks every return, catches these errors. But don't expect him to look for all the deductions or exemptions you missed.

"Must get organized! Alice, would you mind bringing me that pen from the dining room table?"

Better bring him a pencil for that first draft, Alice, especially if he is going to itemize deductions. Since Mr. Organizer waited until T-Day-minus-one, chances are he will only have time to repeat last year's performance and take the 10 per cent standard deduction in the end. But it is early yet, and he realizes that many taxpayers can save by itemizing such expenses as charitable or religious donations, interest paid on mortgages or loans, medical and dental expenses, and state and local taxes.

"Whatever did I do with that

tax blank? Alice, dear, how about getting it for me out of my coat pocket in the hall closet?"

Alice retrieves beautifully, and she is also good for a \$600 exemption on the tax return. And, Ralph, don't forget to take a \$600 exemption for yourself. Anyone 65 years old or more gets an additional \$600 exemption, and there is still another exemption for blindness. These special exemptions for age and blindness do not apply to dependents, but you can get the regular \$600 exemption for each dependent, as explained in the instructions—even when you provide less than 50 per cent support in some cases.

"Now that you are up, honey, would you add up this column of figures and enter the total?"

"Everyone who may have to file a return (including anyone whose income was less than \$600, but who wants a refund for tax withheld) should read carefully the instruction book which the government provides free. Since there is usually some change in the tax laws each year, you might miss a deduction or exemption to which you are entitled if you fill out the form without first reading the instruction book.

"Yes, Alice, try to be intelligent about these tax matters. Remember how stupid it was of you not to give birth to the twins before midnight December 31, which would have qualified two more dependents for 1956? And as if that weren't bad enough, how about the \$5,000 you won on that quiz program? Didn't you realize that such a prize is taxable?"

"Doesn't this take the cake."  
Continued on Page 4

## ACS Analytical Group Sets Talk By Harris March 28

Warren W. Harris, of the Oak Ridge Gaseous Diffusion Plant of Union Carbide Nuclear Company, will speak at a meeting of the Analytical Chemistry Group of the East Tennessee Section of the American Chemical Society at 8 o'clock Thursday night, March 28. The meeting will be in the cafeteria of the Robertsville Junior High School and all Y-12 members and others interested in the meeting are invited to attend.

Harris, a graduate of Columbia University in 1940, will speak on "Applied Electron Microscopy." He has been in Atomic Energy Commission work since 1942 and during recent years has investigated corrosion of metals, especially single crystals of copper.

## D Shift Recreation Group Plans Program

Committee Asks Ideas; Softball Players Sought

Y-12ers on the D Shift are planning an active summer season of recreation, with activities to be directed by a recreation committee headed by Ken Andrews, of the Chemical Department, as chairman. Picnics, other outings and parties and softball will be encouraged by the committee for the entertainment and relaxation of employees on the D Shift.

D Shift Y-12ers with suggestions or requests about any recreational activity are asked to communicate with the following officers and committeemen of the recreation committee, published with their departments and plant telephone numbers.

Chairman Ken Andrews, plant phone 7715.

Secretary Capt. J. H. Shoemaker, Guard Department, plant phone 7272.

Treasurer Capt. Emmett L. Moore, Fire Department, plant phone 7791.

Committeeman J. D. Toliver, General Utilities, plant phone 7949.

Committeeman Wendell Perry, Colox Operations, plant phone 7-8280.

Committeeman E. Z. Kidwell, Stores, plant phone 7361.

Committeeman E. A. Tweed, Colox Operations, plant phone 7-8402.

Committeeman Ed Hensley, Process Maintenance, plant phone 7733.

Steve Porter is D Shift Superintendent and George Kirtland is his assistant. Both have pledged full support of the recreation committee's work and plans.

The D Shift Recreation Committee is particularly anxious that any Y-12ers on that shift who wish to play in the Y-12 Plant Softball League during the coming summer season to get in touch with a member of the committee.

## ORNL Scientist To Address Physics Seminar Session

The Oak Ridge Physics Seminar session for 3:15 o'clock on Friday afternoon of this week, March 22, will be led by an Oak Ridge National Laboratory scientist, D. O. Thompson. He will speak on "Neutron Irradiation Effects On Young's Modulus and Internal Friction of Proper Single Crystals." The meeting will be in the auditorium of Bldg. 4500 at ORNL. Y-12ers interested in the subject are invited to attend.

## Retirement Plan Beneficiaries Aided By Revision

Survivors Of Employees With 15 Years Service Dying Before 65 Helped

The Board of Directors of Union Carbide and Carbon Corporation has recommended an amendment to the UCC Contributory Retirement Plan providing that where a participant in the plan dies with 15 or more years of Company Service Credit and at any time prior to his normal retirement date, his beneficiary will receive monthly payments, actuarially reduced, for 10 years. The amendment is effective on January 1, 1957, subject to approval by UCC stockholders at their annual meeting on April 16.

Payments Depend On Age

The amount of reduction in payments of retirement benefits to beneficiaries will depend on the age of the participant at time of his death. In no case, however, will reduction be more than 50 per cent of the payments that would have been received by the retiring employee if he would have lived for normal retirement.

Under provisions of the Retirement Plan before this revision, the beneficiary of a participant who died prior to the age of 55, if a man, or 50 if a woman, received, irrespective of the participant's Company Service Credit, only a lump sum return. This sum would be the participant's payments into the Retirement Plan and without interest.

No Changes In Other Items

In the revised Retirement Plan there is no change in the provision relating to the participant who dies within 10 years of normal retirement date whereby the beneficiary receives an actuarially reduced benefit. Also, there is no change in the provision relating to the employee who dies with less than 15 years of Company Service Credit and his beneficiary receives only a lump sum return of the participant's payments into the plan.

However, for those employees with 15 years or more of Company Service Credit, the proposed revision is a decided liberalization in that the "10-year-certain" benefits feature for the beneficiary applies regardless of the age of the employee at the time of his death.

## SAFETY SCOREBOARD

The Y-12 Plant Has Operated

Five Days Or

138,800 Man Hours

(Unofficial Estimate)

Without A Disabling Injury

Through March 17

Phone 7755

For Daily Report On Accident-Free Hours

# The Bulletin

Published Weekly By And For  
Y-12 Employees Of  
UNION CARBIDE  
NUCLEAR COMPANY  
A Division Of  
Union Carbide And Carbon  
Corporation

GEORGE W. DOBBS . . . Editor

OFFICE  
Post Office Box Y  
Oak Ridge, Tenn.  
Bldg. 9704-2 Room 228  
Telephone 7751



Get-well wishes are sent the following Y-12 employees who were patients in the Oak Ridge Hospital last week:

J. A. Duncan, Receiving; L. L. Gassaway and Hubert Myers, Buildings and Grounds; P. T. Huffman, Production Inspection; D. B. Blackburn, Research Services; C. M. Jenkins, F Mechanical Operations; Ann W. Wenzler, Laboratory Operations; A. D. Johnson, Process Maintenance; Sam King, Electrical Maintenance; D. W. Davis, Colex Operations; F. A. Wells, Beta Two; Richard J. Luck and J. T. Clouse, Product Processing; Raymond Ledford, Guard; Alvin E. Allen, Mechanical.

## Heart Attack Fatal To Y-12 Electrician, Father Of 11

Fellow employees in the Electrical Maintenance Department were saddened last week by the unexpected death while at work of Herbert Edward Smith, 46. He was stricken by a heart attack Wednesday morning, March 13, about 9 a.m. while driving a truck and was rushed to Oak Ridge Hospital, where he was declared dead on arrival.

Funeral services were conducted at 2 o'clock Saturday afternoon, March 23, at the Pine Hill Baptist Church, near Lake City, home of the former Y-12er. Smith was born November 23, 1911, at Emory Gap, Tenn., and worked as a machinist in coal mines in Kentucky and Tennessee before coming to work in Y-12 September 19, 1952.

Surviving are the widow, Mrs. Rosetta Smith, and 11 children, consisting of eight daughters and three boys.

## 10 Years Service

Congratulations to **Paul C. McRee**, Health Physics, who will complete 10 years of Company Service on March 20.

## Five Editors Are Attending Convention In Cincinnati

Five editors of Company publications in Oak Ridge will be in Cincinnati, Ohio, this week to attend the annual convention of the American Association of Industrial Editors at the Netherlands Hilton Hotel on Wednesday, Thursday and Friday. They are Charles LaMaster, ORNL News; Marc Sims, Carbide Courier; George W. Dobbs, The Y-12 Bulletin; Ruth Hamrick, of The Constructor, published by the Ferguson-Hagaman Construction Co. and stationed in the Y-12 Plant Area; and James Disney, MSI Item.

All are members of the Appalachian Industrial Editors Association, an affiliate of the AAIE, and Dobbs is a former president of the Appalachian group, as is Disney.



By the time this opus is ogled by omnivorous ogles around Y-12—the Editor, Colyum Conductor and boy what sweeps up (he's all one and the same) will be cutting up in Cincinnati, Ohio, with other plant publication publishers at a convention. Utility Man Ralph Pearson will be tending the store the latter part of the week—so keep the contributions rolling. Now for items from the salvage yard to the railroad yard—

### SHIFT SUPERINTENDENTS AND GENERAL UTILITIES

Automotive news features reports from General Utilities—the J. A. McLains are sporting a brand new green station wagon and J. D. Tolliver recently did some hose trading and ended up with a fine model 1954 buggy that is air-conditioned, push-button controlled and has other modern conveniences. Jackie Ford spent the past week at Gate City, Va., and Johnson City, Tenn. W. S. Everett hoped for good weather to shine on his projected week-end fishing trip. The S. B. McSpaddens are proud parents of a new baby daughter. A. M. Foster is vacationing in Mississippi. The department extends condolences to the R. P. Mann family on the recent death of a beloved aunt.

The J. L. Harts, of the Steam Plant, are exalted over the arrival of a baby daughter. Get-well wishes to the mother of W. M. Simpson. J. H. Martinez didn't leave a forwarding address before evacuating on vacation.

Jean Granstaff, Shift Superintendents, spent the past week at her home in Dowelltown. It's Grampa Finley Creigh, sooper super of the B Shift with a new granddaughter added to the family.

### ALLOY

D. G. Hoskins, Alpha Five, chose Cincinnati for his vacation this week. The whereabouts of another reester-upper, R. L. Crabtree, are unknown. W. E. Warren is staying at home in Oak Ridge and doing some house alterations. H. Dyer spent his time off at home in Wartburg in pursuit of the finny tribe—no reports as yet. R. E. Plemons took in the state high school basketball tournament in Nashville. L. E. Richardson is "Your Honoring" all over the place after returning from a few days of jury duty.

Alpha Four starts off with some sports news—Jack Owens is very proud of that three and one-half pound smallmouth bass he caught recently. Carl Frazier, Sr., is being sought for comments on that new activity of his—is he raising bird dogs or pigeons? A. J. Hale is the vacationer of the week. The department is glad to see M. T. Little back to work after his accident. A speedy recovery wish is sent to H. C. Morgan, who will soon be hospitalized for another operation on his ailing ankle. Joe (Davy) Crockett and Phil Higgs, the two co-op lads around the shop, will be returning to school soon and are wishes well with the gang looking forward to welcoming them back next quarter.

Beta Two welcomes Bobby Powers, the recent bridegroom; and H. H. Howard back to the premises after their extended illnesses. Joe Williams is vacationing and the only clue to his whereabouts is that new set of golf clubs he recently acquired. Clyde May qualified for the Proud Pop's Club when little daughter, Vicki Ellen, was born March 13 at St. Mary's Hospital in Knoxville—Daddy is on vacation to learn the ropes of baby care. Sympathy is extended W. R. Branscome, whose mother-in-law,

Mrs. A. B. Erics, of South Charleston, W. Va., died March 10.

### MAINTENANCE

The Garage sends get-well wishes to H. H. Adcock and J. H. Seivers. C. W. Toney is probably warming up his horseshoe game while vacationing.

Transportation welcomes H. L. Spurgeon back after an extended illness and sends get-well wishes to J. C. Howard, on the sick list. O. B. Harness was away last week because of the death of his sister-in-law in Chattanooga.

Over in the glass shop of Research Services the other day cigars were being passed out in honor of the arrival of little Miss Noreen Blessing, who blessed the Dave Blessings by her birth March 9—Poppa Dave is Y-12's well-known band leaders and those guys better be playing sweet music from now on out. R. H. Lovin is vacationing at his country estate near Sweetwater. Lots of get-well wishes going out to the son and daughter of H. G. Simerly, to D. B. Blackburn, C. H. Close and L. M. Thompson—and likewise to the father-in-law of Bill Humphrey, seriously ill in Minnesota.

G. W. Manning, Process Maintenance, reports he's a grandfather again—his son became a father March 11 in Hammond, Ind. F. E. Williams is welcomed back after being sick for one week. Get-well wishes to the kin folks of three Processors—the father of C. M. Simcox over at Crossville, the mother-in-law of Q. F. Mullins at LaFollette and to the wife of M. Whited, who recently underwent an emergency operation at Johns Hopkins Hospital in Baltimore. The same goes for C. Riner, ill at Oak Ridge Hospital.

### TECHNICAL

Special Projects rolled out the welcome carpet last week for Bill Galyon, on temporary loan transfer to the group. Harold Williams just couldn't shake, rattle and roll enough to shake off the flu bug—he's ill again with a repeat dose of the ailment.

Production Analysis extends a warm welcome to three newcomers—Howard Avent, Charles Catlett and LeRoy Eggert. Martha Nelson is welcomed back after an illness.

Fay Duncan, Special Testing, is vacationing this week to be with her husband, home on 14-day leave from Uncle Sam's Army.

Doris Brogan, Laboratory Operations, week-ended in Middleboro, Ky., visiting friends and relatives.

J. L. Heatherly, Production Assay, is the Proud Poppa of a bouncing baby girl. Attention A, B, C and D Shifts of Production Assay—know your reporters. For A Shift Dorothy Moore, B Shift Annie Robinson, C Shift Margaret Crabtree and for D Shift Elizabeth Hayes.

### MECHANICAL OPERATIONS

B. A. Cooper, General Machine Shop, is most happy over the successful outcome of a recent operation on his daughter at the East Tennessee Children's Hospital in Knoxville. T. J. Knudsen is vacationing for a week with a sister in Chicago. R. C. Winfree is at home in Harrison for one week and E. S. Henck is spending seven days in Pennsylvania with relatives. C. C. Hickey is taking two weeks off to spend at home in Knoxville. R. G. Borner, III, also is vacationing but probably spending most of it baby sitting as his wife is ill in a hospital and Shoppers send get-well wishes to her. Other folks on the sick list are C. C. Chamberlain, B. H. Hobby, C. M. Carley, J. H. Old-



**HAULING ANOTHER LOAD AWAY** is young Roger Strunk, tiny son of B. N. "Buzz" Strunk, of Material Control, photographed by his dad at the Strunk estate. The catching picture took first place in the Y-12 Weekly Photographic Contest for the week ending March 15.

ham, L. D. Smith, C. E. Graves and C. S. Patty.

Kirby Duke is welcomed back by C Mechanical Operations after a forced trip to Alabama to visit his wife's ill mother. A. R. Smith celebrated a birthday last Wednesday—but was mighty coy about which one. Cecil Houser is learning port from starboard in his new speed boat. B. A. Murr has retired—as checker champ, no explanations. C. A. Slaughter reports fishing over at Dickie Springs is slinky—catch was one fish and one snake. C. K. King was scheduled to be married March 15 to Miss Annabelle—they planned to honeymoon in New Orleans. Best of luck to them.

B Mechanical Operations news mostly concerns ailing folks—past and present. C. F. Murrin is trapped by the flu at home in Maryville. W. C. Gordon likewise is on the sick list. Get-well wishes to both. Welcomed back after a siege of flu is J. E. Gilstrap. E. F. Smith still is out ill but reported to be much improved. W. F. Blackford is back after a sorrowful trip to Nashville to attend the funeral of an uncle. G. L. Day vacationed at home last week and W. E. Sizemore also was away but didn't report on his whereabouts.

H. M. Zimmerman, A Mechanical Operations, is enjoying a vacation by having his son home on a visit. E. W. Phelps is vacationing in Knoxville and Lee Johnson is doing likewise in Alabama. Another visitor, his brother, was entertained recently by M. L. Kinamon. S. M. Pintur hopes to move into his recently purchased Oak Ridge home by the latter part of March. W. G. Story week-ended with a visit to his new granddaughter in Hammond, Ind. R. M. Kristich is back from a vacation in Detroit, where he attended a wedding.

### FINANCE AND MATERIALS

Dot Park, of Document Accountability in Plant Records, has had her daughter, Martha, visiting from Memphis.

Tabulating Services congratulates Virgil Martin's wife, Polly, who graduated from the University of Tennessee last week with a B.S. degree in home economics. Mildred Kasten received a warm welcome when she joined the department last week. Betsy Diggs and her husband, Tommy, have moved into their new home in Oliver Springs. Week end trips were taken by—Lloyd Wyatt and wife, Reba, to relatives at Crossville—Kate Penland and brother, Carl, to their parents at Highlands, N. C.—Bettie Martin with friends and relatives at Whitesburg, Tenn.

Property Sales is having a hard time holding C. E. Jennings—he became the Proud Pop of an eight-pound, two-ounce boy born March 9 at the Lake City Hospital. Wishes for a speedy recovery go to W. C. Johnson in Oak Ridge Hospital. Likewise to Charlie Butler, ill over at home in Oliver Springs—the fish are missing him. Grandpa Ross Eichorn certainly is the proud one—his big grandson has been visiting him and this



**READY FOR A SAFE SWIM** are the niece and nephew of T. H. Barton, Jr., Production Analysis, who snapped the eager youngsters wearing their "Mae West" pre-server jackets. The snapshot took second place in the weekly Y-12 Photographic Contest for the week ending March 15.

## Y-12 Man Fractures Back To End 19th Safety Period

A fractured back suffered in a fall by a materials handler in the Receiving Department about 10:30 a.m., March 12, broke the 19th Union Carbide Safety Period in the Y-12 Plant Area at 58 days with approximately 1,844,567 man-hours of accident-free plant operations being performed at the time. The employee was unloading a truck outside Bldg. 9702-2 when he lost his balance and fell backward on to his back, fracturing a vertebra. He will be hospitalized for from six to eight weeks.

The usual waiting period of 20 days in which to determine if any further disabling injuries develop will be required before the 19th UCC Safety Period in the Y-12 Plant will become official.

## UCC Stockholders Expected To Shorten Name Of Firm

Subject to the expected approval of a stockholders' meeting on April 16 the words "and Carbon" will be dropped from the name of Union Carbide and Carbon Corporation with the new name being merely Union Carbide Corporation. This change of name will not affect Union Carbide Nuclear Company, a Division of UCC, which operates the Y-12 Plant, Oak Ridge National Laboratory, the K-25 and Paducah, Ky., plants for the Atomic Energy Commission.

week Grandma Eichorn is in New York showing off the youngster to family and friends—at three months this young 'un is on the way to becoming a real globe trotter.

So, being armed with a "strictly confidential" guide to haunts of interest to visiting firemen (and visiting newsmen) in Zinzinnati—furnished by one Counselor Jesse James Guin, a former habitue of the jernt, it's farewell until next week.

Don't Fall Head-Over-Heels for an Accident!

# SOFTBALL, GOLF ORGANIZATION MEETINGS SET

## Excellent Summer Sports Program Is Being Planned For All Y-12ers

Five Links Leagues and Monthly Tournaments Scheduled; Other Activities Will Be Staged

An ambitious summer sports program aimed at accommodating the recreational desires of as many R-12ers as possible is being planned by the Y-12 Recreation Department with organizational meetings being set for softball players and golfers early next month. In addition to these popular activities, competition will be arranged for horseshoe pitchers, tennis and other sports for the outdoor months. An archery league already has been formed.

No less than five golf leagues are planned for the summer months as, well as at least one softball league. The golf loops will be at Oak Ridge, Rockwood, Harriman, Lenoir City and at the Whittle Springs course in Knoxville.

All of the organizational meetings will be held in the Recreation Office, Room 226, Bldg. 9704-2, at 1:30 p.m. The dates for the sessions follow and all Y-12ers interested in the two sports are invited to attend them.

Rockwood Golf League, Tuesday, April 2.

Oak Ridge Golf League, Thursday, April 4.

Whittle Springs Golf League, Tuesday, April 16.

Harriman Golf League, Wednesday, April 17.

Lenoir City Golf League, Thursday, April 18.

Y-12 Plant Softball League, Tuesday, April 9.

Each team entering any of these golf or softball leagues should be sure to have at least one representative present at the organizational sessions.

Five golf tournaments will be held for Y-12ers during the summer, with the events slated to be held monthly in April, May, June, July and August. The dates and locations of the tournaments will be announced in the near future. All golfers in any of the leagues are eligible to enter these tournaments.

## Splits Are Victors For Second Place

The Splits volleyball team, composed of Y-12ers in the D Mechanical Operations Department and managed by Charley Peterson, won two straight games from the Hunters last week in a playoff to decide second place in the Y-12 Volleyball League. The scores were 15-11 and 15-8. The Hunters had placed second in the first half of the season and the Splits were runners-up in the second half.

The plant championship was won by Manager Howard Horne's Hawks, who came out on top by a wide margin in both halves of the season. Trophies will be awarded members of the Hawks and Splits teams.

Rushing up or down stairs can throw you! Go slow and step firmly. Use the handrail.



## Friday Deadline To Enter Tourney

All-Carbine Bowling Meet Interest Is High

With 4 o'clock Friday afternoon of this week, March 22, being the deadline for bowlers of all Union Carbide Nuclear Company plants in Oak Ridge to enter the annual All-Carbine Bowling Tournament, keglerettes and keglers of Y-12, K-25 and Oak Ridge National Laboratory have been polishing up their games for the past several weeks in preparation for the big event. A record entry list is expected by the tournament directors, the recreation supervisors of the three UCNC facilities, as advance interest has been high.

### Preference To Shift Bowlers

The All-Carbine pin party will be held at the Oak Terrace alleys on the week ends of April 6-7 and April 13-14. All teams will be scheduled to bowl on April 6-7 with doubles and singles slated for the following week end. Entrants may list time preferred for bowling, but preference will be given only to bowlers on shift schedules.

Entries began trickling in to the Y-12 Recreation Office late last week and the bulk of them are expected the first part of this week as secretaries of the five Y-12 Plant leagues began collecting them from various teams and individuals.

Bowlers from K-25 and ORNL are expected to be pointing for pinmen from Y-12, as the Y-12 athletes walked away with the majority of honors in the 1956 tournament. Four first places in handicap scoring and three in scratch were posted by Y-12ers last year and as the quality of bowling here this year is better—if anything—than last year a royal scramble is expected for top spots in the 1957 engagement.

Trophies will be awarded first-place winners in both scratch and handicap scores in the tournament and cash prizes go along with high scorers in the handicap class. The tournament is sanctioned by both the American Bowling Congress and the Women's International Bowling Congress and rules of those organizations will govern the contest.

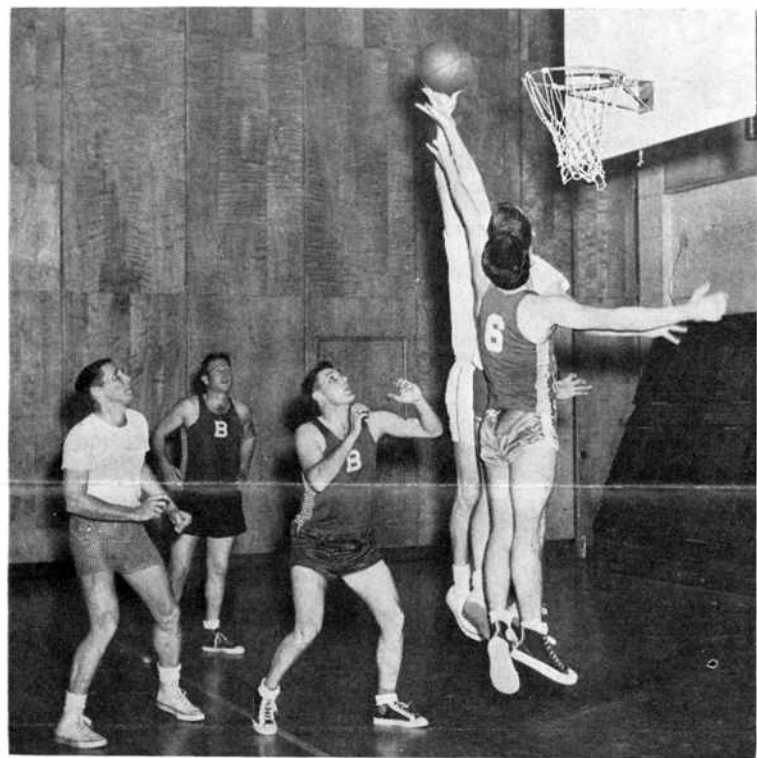
## Close Race Waged In Pistol League

The close race in the Y-12 Pistol League continued after the matches of March 8 in which the Masters took two points from the Experts and the Marksmen and Sharpshooters split event. The league will fire again tonight, Wednesday, March 20.

The Masters took both scratch and handicap marks from the Experts with the victors being led by J. H. Rowan with his 237 scratch and 285.800 handicap score. The Marksmen won in handicap firing as C. G. Brewster fired a 288.050 but the Sharpshooters took the scratch decision as R. L. Vanderpool and P. H. Williams tied at 249 to lead the scoring.



**RUNNERS UP AND CHAMPIONS** of the Y-12 Plant Basketball League are shown above after the championship battle last week. Standing from left are L. F. Kennedy, E. E. Brazeale, A. R. Moore, D. L. Hansford, Spud Chandler, J. E. Cheek, Bill Butturini and Manager Gib Hatmaker, all Bombers; Harlan Wright, Y-12 Recreation Supervisor presenting one of the winners' trophies to Manager Paul Miller, Wizards. Then come Ralph Taylor, Fred Hardin, Lew Fitzgerald, G. H. Coleman and Jack Simmons, also Wizards. In front are more Bombers—J. D. Vannoy, Colleen Shotts, M. T. Little and R. B. Smith.



**AFTER THE BALL**—and it was a ball for the Wizards in winning the Y-12 basketball title last week. This action picture shows just about how they did it—more effective rebounding. A. R. Moore, Bombers, No. 6, didn't have a chance against the leaping of Wizards Fred Hardin and Ralph Taylor, in white shirts and looking just like one man behind Moore, in recovering the ball. On the floor from left are Lew Fitzgerald, Wizards; J. E. Cheek and J. D. Vannoy, Bombers.

## Wizards Whomp Bombers By 66-35

Powerful Attack Wins Y-12 Basketball Crown

Those whizzin' and whirlin' Wizards wheeled to an overwhelming 66-to-35 win over the Bombers last Wednesday night, March 13, at the Oak Ridge High School gymnasium to capture the Y-12 Plant Basketball League championship and bring the successful season to a close. The Wizards combined a powerful attack and a bad case of goal missing by their opponents to wrap up the decision as early as the first period.

Following the game, members of both squads were presented trophies by Recreation Supervisor Harlan Wright.

### Champs Controlled Backboards

Manager Paul Miller's Wizards had just about everything a championship team needed last week to capture the crown. They controlled both backboards and recovered most of the many wild shots of the Bombers for the important factor of ball control for most of the engagement.

Fred Hardin, Ralph Taylor and Lew Fitzgerald led the Wizards on the scoreboard, with the first two also doing most of the rebounding. Hardin poured in 21 points, most of which were from right under the nets; while Taylor with 17 and Fitzgerald with 15 bumfuzzled the Bombers with their outside shooting, Taylor particularly having a good night with set shots.

### Bombers Kept Trying

Manager Gib Hatmaker's Bombers kept right on trying all the way and had a lot of shots at the rims, but luck seemed against them as the ball rolled around harmlessly on many occasions to fall into the hands of a waiting Wizard.

The usual high-scoring Joe Vannoy led the Bombers in tallying but only had seven points to his credit. J. E. Cheek and Colleen Shotts had six each.

The Wizards ran up a 16-to-6 margin at the end of the first period, boosted it to 35 to 12 at half time, led by 48 to 23 at the three-quarter pole and continued to pour it on to score 18 points to only 12 for the losers in the closing canto for their final big margin.

Ballers horned in with a 727 scratch game.

League standing follows:

Team	W	L
Do Littles	20	12
Alley Cats	19	13
Sure Shots	17	15
Gutter Ballers	14	18
King Pins	10	22

## Bumpers Bounce Into Classic Loop Lead As Standings Undergo General Upheaval

A general upheaval in the standings of the Classic League of Y-12 Plant bowlers followed the weekly alley activities of the loop last week. The Bumpers bumped the All-Stars for three points to climb into first place as the previously deadlocked Playboys and Swingsters both were beaten, the Playboys being blanked by the Wasps and the Swingsters taking a three-point trim from the Rebels. In other matches the Rippers whopped the Wolves for three, the Screwballs sunk the Has Beens by the same score and the Cubs and Tigers clawed to a draw.

Joe Smyrl, of the Wolves, got most of the individual scoring honors with a 201 scratch and 240 handicap game and 632 handicap series. Hubert Tripp, of the Rippers, had the top scratch series of 534. The Rippers rolled to most of the top team scores with a 869 scratch game, tying the Has Beens at 993 for handicap game and then posting a 2453 scratch series. The Wasps' 2895 handicap series was best of the night.

Team	W	L
Bumpers	15	5
Swingsters	14	6
Screwballs	13	7
Playboys	13	7
Wolves	10	10
Wasps	10	10
Has Beens	9	11
Cubs	8	12
Rebels	8	12
Tigers	4	16
All Stars	3	17

## Alley Cats Tree Do Littles Team

The Alley Cats treed the Do Littles for three points in the Evening Shift Bowling League to climb within one point of first place in the close race. The Hot Shots also tightened the contest by blanking the King Pins for four while the Gutter Ballers and Sure Shots broke even at two points each.

Four pinmen shared the individual scoring honors. Reed, Sure Shots, had a 181 scratch game and the best handicap game was a 232 by Hatcher, Do Littles. A 483 scratch series by Meadows, Gutter Ballers, was tops as was the 627 handicap series by Murphy, Hot Shots. The Hot Shots had a 977 handicap game, 2089 scratch and 2869 handicap series. The Gutter

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## Challengers Beat Crocodiles In B

The Challengers conked the Crocodiles for three points in a B Shift Bowling League engagement last week but still lost ground as the Ramblers collected four points the easy way from the defunct Alligators. In the other alley fight the Bumble Bees and Seven Ups battled to a tie.

B. Corbett, of the Challengers, swept all individual scoring honors with 215, 254, 578 and 695 across the board. The Seven Ups had the best team scratch scores with a 762 game and 2114 series. The Bumble Bees had a 977 handicap game and the Challengers a 2821 handicap series for the best of the night.

League standing follows:

Team	W	L
Ramblers	26	6
Challengers	21	11
Bumble Bees	18	14
Seven Ups	16	16
Crocodiles	15	17

## Ann Tippy To Receive DAR Citizenship Pin March 28

The Clinch Bend Chapter of the Daughters of the American Revolution will present a Good Citizenship Award pin to Miss Ann Tippy, daughter of a Y-12er, at a special luncheon meeting to be held at 12:30 o'clock Thursday afternoon, March 28, at the Mayflower Rathskeller. Miss Tippy is the daughter of R. R. Tippy, of the Finance and Materials Division. Miss Peggy Ann Martin, of Norris High School, will receive a similar award at the same time.

Fellow students at Oak Ridge High School, where Miss Tippy is an outstanding member of the senior class, recently voted her the DAR Award for honor, courage, leadership and patriotism.

Mrs. James W. Gregory is chairman of the DAR chapter citizenship committee and Mrs. Karl Rapp is regent of the chapter.

## 'The Little Foxes' Is Next Offering Of Playhouse Cast

A gripping drama of the Old South will be the next presentation of the Oak Ridge Community Playhouse when the Oak Ridge amateur thespians will stage "The Little Foxes" on March 28, 29 and 30 at the Jefferson Junior High School. The production will be directed by Paul Ebert, the Playhouse director.

A strong cast has been assembled for "The Little Foxes." In the difficult role of Regina, played on the stage and in movies by Talulah Bankhead and Bette Davis, will be Virginia White. Other members of the cast are Dick Lyon as Ben, Charles Murphy as Oscar, Joe Couch as Leo, Janet Dawson as Alexandria, Gus Smith as Horace, Lloyd Bryson as Marshall and Irene Alden as Birdie.

**CARELESS DRIVING  
IS KID STUFF!**



**JUST A LEETLE FELLER** but this sauger caught in the Clinch River recently by Robert P. Holt, Chemical, might be a real contender in the Y-12 Annual Fishing Contest. Holt used a white polar bear lure to land his catch.

## Walter Johnson Funeral Services Held On Sunday

An old-time Y-12er, Walter Johnson, 63, a process service operator who came to work on January 1, 1945, died in the Loudon Hospital last Thursday, March 14, following a long illness. He had been off from work since January 3. He was well known throughout the plant and many friends and fellow employees extend condolences to survivors.

Funeral services were held at 2:30 o'clock Sunday afternoon at Lenoir City, his home. Surviving are his widow, Mrs. Mary Evans Johnson; four sons, Fred, Walter E., Lloyd and John; and three daughters, Lillian, Rose and Beulah. He was born in Loudon County and was a World War I veteran with overseas duty in France. Before coming to Y-12 he had been in the contracting business and also was with the state road department.

## PLANTS REVEAL URANIUM

In the western states such plants as rabbitbrush, shadscale, Mormon tea, milk vetch, grasses, juniper, scrub oak and serviceberry are regarded as indicating presence of uranium nearby. The roots of the plants absorb a considerable amount of uranium, which can be detected by chemical analysis.

Don't be a tail-gater.



"You're exactly what I'm looking for in a secretary...but I was hoping you knew something about office work!"

# Union Carbide Nuclear Company Builds Model Reactor Of 'Swimming Pool' Type On Display At United Nations

## Mock-Up Demonstrates Principles Of Control

At a permanent atomic exhibit recently opened in the United Nations Building in New York City, the United States has installed a mock-up model of a "swimming pool" reactor. This display was built at Oak Ridge National Laboratory, which Union Carbide Nuclear Company operates for the Atomic Energy Commission.

The model is similar to one which was shown at Geneva in 1955 during the International Conference on the Peaceful Uses of Atomic Energy. It demonstrates the control principles of the "swimming pool" reactor, which was the main feature of the United States' display at the Geneva Conference, and was also built at Oak Ridge. A photograph of the original reactor is mounted on the left of the display.

Visitors to the UN exhibit can simulate the control cycle of an atomic reactor by pushing buttons at the front of the display. The three control rods, at the top of the full-scale plastic model of the reactor core, slowly withdrew. As the rods are pulled up, the reactor "goes critical" and begins to give off a blue glow—just as the real reactor does.

## Lighted Line Shows Power

This indicates a chain reaction has begun, and the reactor is supposedly generating atomic energy. A lighted line on the chart to the right of the display starts to climb as the control rods are withdrawn, indicating that the power level is rising. As the reactor reaches a level of excessive reactivity, the control rods automatically fall back, shutting off the reactor. This demonstrates one of the safety characteristics inherent in this type of reactor.

## Scrappers, Oleos Stage Close Battle

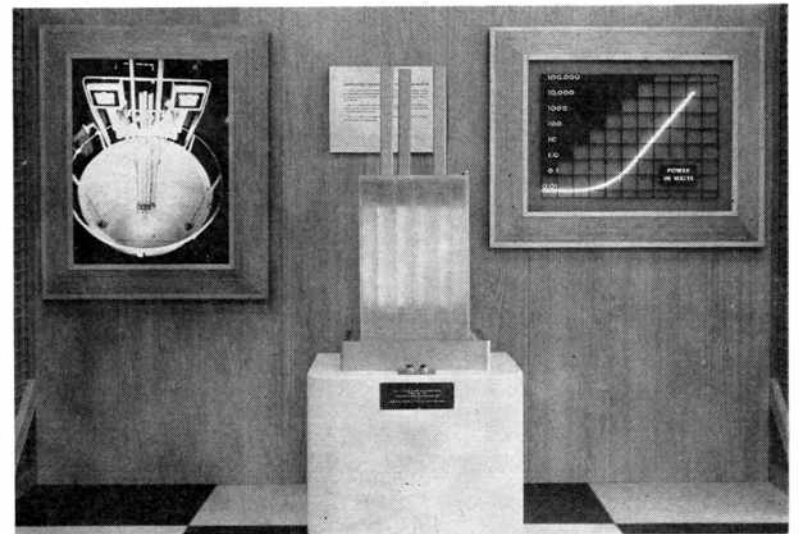
The Scrappers and Oleos fought a close alley battle last week in the Mixed League of Y-12 men and women bowlers with the Scrappers emerging with a three-point triumph. The Pin Cats pounded the Units for four points in the other hardwood hassle while the Clippers picked up four from the Alley Cats and the Nip and Tucks the same number of points from the Knockouts by forfeits.

The Scrappers and Oleos divided most scoring honors. The Scrappers swept the boards in team scoring with 616, 789, 1683 and 2202. Herb Oliver, of the Scrappers, had the top scratch series of 472 while Regina Camp, feminine member of the Oleos, rolled a 572 handicap series. Egbert Scott, of the Nip and Tucks, rolling for record, had the top game scores of 195 scratch and 233 handicap.

Team	W	L
Clippers	35	9
Scrappers	30	14
Pin Cats	29	15
Units	25	19
Nip and Tucks	24	20
Knockouts	18	24
Oleos	15	28

## TWO TASTY DISHES SET FOR SPECIAL LUNCHES

A couple of tasty items have been announced as main dishes on the 50-cent Special Lunches at the Y-12 Cafeteria for tomorrow, Tuesday, March 21, and next Tuesday, March 26. Chef's casserole, a newcomer to the repertoire of offerings at the Cafeteria, will be the entree for tomorrow's Special Lunch while on next Tuesday macaroni and cheese will be served. The Special Lunch also includes one vegetable, choice of salad or dessert and rolls and butter.



SHOWN ABOVE IS THE UCNC MODEL NUCLEAR REACTOR on display at the United Nations Building in New York City.

# 14th Round Of April Looms For Income Tax Laggards

Continued from Page 1

**Look at this, Alice. How can those tax people in Washington expect me to remember every little doctor bill I had to pay for you last year?"**

You can itemize and deduct all medical-dental expenses in excess of three per cent of your income, within certain top limits. Be sure to list fees of doctors, dentists, hospitals and nurses. You may not deduct expenses paid or reimbursed by insurance, but your medical insurance premiums count as medical expense. If you were absent from work due to an injury and received "sick pay" from your employer or his insurance company, you do not have to pay tax on \$100 per week of this income. The same applies to sickness, except that unless you were hospitalized for at least one day, the payments for the first seven calendar days of absence are not tax free.

**"How long have you been hiding these receipted bills and canceled checks in this desk drawer? Fine thing, Alice! What if you forgot where you put them?"**

There is little chance that Alice has forgotten where she was carefully filing the receipts of bills paid. She knows you must keep receipted bills and canceled checks

to prove payment of such important, deductible items as state and local taxes, interest included in mortgage payments, union dues, the fee Alice had to pay the employment agency for her part-time job, and child-care expenses (you may be entitled to a deduction of up to \$600 if, while you worked, it was necessary for you to pay someone to care for a child under 12 or anyone who is physically or mentally incapacitated).

This fight may be over late in the 14th Round of April. It happens to the best of last-minute filers; the form wins by a TKO. If you want to give yourself the best possible break on your federal income tax, the American Institute of Accountants advises that you prepare your return carefully, file early and save your records to back up deductions. And, if you find that Uncle Sam owes you money, early filing means a quicker refund.

**"Alice, please! How can I concentrate on this newspaper when you interrupt with silly questions? Naturally, I'll look over your figures before I sign the form. And, dear, when you mail it—don't forget to put a stamp on the envelope."**

## Hornets And Deltas Climb In C League

The Hornets and Deltas each posted whitewash wins over the Cards and Rusty Five, respectively, in their chase of Murderer's Row in the C League of plant keggars last week. The loop leaders sunk the Sooners by three to maintain a safe gap on top of the heap. However, the Engineers also had a good night on the alleys by quenching the Q Balls for three points and also monopolized most of the scoring honors of the night.

D. G. McAlister, Engineers, took all individual highs with a 193 scratch game, boosted to 234 with handicap, then went on with a 508 scratch and 631 handicap series. The Engineers as a team then registered an 829 scratch and 1948 handicap game and a 2837 handicap series. Murderer's Row horned into the act with 2260 scratch series.

League standing follows:

Team	W	L
Murderer's Row	36	12
Hornets	30	18
Deltas	27	21
Sooners	24	24
Q Balls	24	24
Engineers	22	26
Rusty Five	20	28
Cards	10	38

## Rides Wanted, Offered

Ride wanted or will join car pool from vicinity 105 Emerson Circle, Oak Ridge, to North or Central Portal, straight day. Ida Gibson, plant phone 7781, home phone, 5-5475, Oak Ridge.

Ride wanted from Delmar Circle, Oak Ridge, to East Portal, straight day. Bob G. Roe, plant phone 7784.

Ride wanted or will join car pool from West Outer Drive near Walsh Lane to North Portal, straight day. H. E. Henderson, plant phone 7484, home phone 5-3362, Oak Ridge.

Ride wanted or will join car pool from Keck and Callahan Roads, Knox County, to North or Central Portals, Evening Shift (4 p.m. to 12:30 a.m.). E. O. Lamb, plant phone 7102, home phone 6-0901, Knoxville.

Ride wanted from Tazewell Pike, Knox County, to Central Portal, straight day. F. L. Clark, plant phone 7-8261, home phone Knoxville 6-4880.

Falls killed 20,000 persons in 195. Only traffic accidents took more lives.